

Hiep Duc

List of Publications by Year in descending order

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57
papers

797
citations

471061

17
h-index

610482

24
g-index

66
all docs

66
docs citations

66
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	The health benefits of reducing air pollution in Sydney, Australia. <i>Environmental Research</i> , 2015, 143, 19-25.	3.7	85
2	Toward sustainable energy usage in the power generation and construction sectors—a case study of Australia. <i>Automation in Construction</i> , 2015, 59, 122-127.	4.8	33
3	Neural network-based meta-modelling approach for estimating spatial distribution of air pollutant levels. <i>Applied Soft Computing Journal</i> , 2013, 13, 4087-4096.	4.1	30
4	A Clean Air Plan for Sydney: An Overview of the Special Issue on Air Quality in New South Wales. <i>Atmosphere</i> , 2019, 10, 774.	1.0	29
5	Skill-Testing Chemical Transport Models across Contrasting Atmospheric Mixing States Using Radon-222. <i>Atmosphere</i> , 2019, 10, 25.	1.0	28
6	Inverse Air-Pollutant Emission and Prediction Using Extended Fractional Kalman Filtering. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 2051-2063.	2.3	27
7	Hot Summers: Effect of Extreme Temperatures on Ozone in Sydney, Australia. <i>Atmosphere</i> , 2018, 9, 466.	1.0	25
8	Modeling Anthropogenic Trends in Air Quality Data. <i>Journal of the Air and Waste Management Association</i> , 1997, 47, 66-71.	0.9	24
9	Enhanced radial basis function neural networks for ozone level estimation. <i>Neurocomputing</i> , 2015, 155, 62-70.	3.5	24
10	Modelling and prediction of air pollutant transport during the 2014 biomass burning and forest fires in peninsular Southeast Asia. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 106.	1.3	24
11	Major Source Contributions to Ambient PM2.5 and Exposures within the New South Wales Greater Metropolitan Region. <i>Atmosphere</i> , 2019, 10, 138.	1.0	24
12	The Summer 2019–2020 Wildfires in East Coast Australia and Their Impacts on Air Quality and Health in New South Wales, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3538.	1.2	24
13	Multivariate adaptive regression splines models for vehicular emission prediction. <i>Visualization in Engineering</i> , 2015, 3, .	8.8	22
14	Poor Air Quality and Its Association with Mortality in Ho Chi Minh City: Case Study. <i>Atmosphere</i> , 2020, 11, 750.	1.0	22
15	Spatial distribution characteristics of some air pollutants in Sydney. <i>Mathematics and Computers in Simulation</i> , 2000, 54, 1-21.	2.4	19
16	Dust Storm Event of February 2019 in Central and East Coast of Australia and Evidence of Long-Range Transport to New Zealand and Antarctica. <i>Atmosphere</i> , 2019, 10, 653.	1.0	19
17	An ensemble random forest tree with SVM, ANN, NBT, and LMT for landslide susceptibility mapping in the Rangit River watershed, India. <i>Natural Hazards</i> , 2022, 113, 1601-1633.	1.6	19
18	Association of climate drivers with rainfall in New South Wales, Australia, using Bayesian Model Averaging. <i>Theoretical and Applied Climatology</i> , 2017, 127, 169-185.	1.3	17

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19	Evaluation of Regional Air Quality Models over Sydney and Australia: Part 1 – Meteorological Model Comparison. <i>Atmosphere</i> , 2019, 10, 374.	1.0	17
20	The Effect of Lockdown Period during the COVID-19 Pandemic on Air Quality in Sydney Region, Australia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3528.	1.2	17
21	Background ozone level in the Sydney basin: assessment and trend analysis. <i>International Journal of Climatology</i> , 2013, 33, 2298-2308.	1.5	15
22	Smoke aerosols dispersion and transport from the 2013 New South Wales (Australia) bushfires. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 428.	1.3	15
23	Evaluation of Regional Air Quality Models over Sydney, Australia: Part 2, Comparison of PM2.5 and Ozone. <i>Atmosphere</i> , 2020, 11, 233.	1.0	15
24	Vehicular emissions prediction with CART-BMARS hybrid models. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 49, 188-202.	3.2	14
25	Urban air pollution estimation using unscented Kalman filtered inverse modeling with scaled monitoring data. <i>Sustainable Cities and Society</i> , 2020, 54, 101970.	5.1	14
26	Performance Evaluation of CCAM-CTM Regional Airshed Modelling for the New South Wales Greater Metropolitan Region. <i>Atmosphere</i> , 2018, 9, 486.	1.0	13
27	Photochemical Smog Modelling Using the Air Pollution Chemical Transport Model (TAPM-CTM) in Ho Chi Minh City, Vietnam. <i>Environmental Modeling and Assessment</i> , 2019, 24, 295-310.	1.2	13
28	Spatial-Temporal Pattern of Black Carbon (BC) Emission from Biomass Burning and Anthropogenic Sources in New South Wales and the Greater Metropolitan Region of Sydney, Australia. <i>Atmosphere</i> , 2020, 11, 570.	1.0	13
29	Dust Transport from Inland Australia and Its Impact on Air Quality and Health on the Eastern Coast of Australia during the February 2019 Dust Storm. <i>Atmosphere</i> , 2021, 12, 141.	1.0	12
30	Influence of the Pacific and Indian Ocean climate drivers on the rainfall in Vietnam. <i>International Journal of Climatology</i> , 2018, 38, 5717-5732.	1.5	10
31	Modelling Hazardous Reduction Burnings and Bushfire Emission in Air Quality Model and Their Impacts on Health in the Greater Metropolitan Region of Sydney. <i>Environmental Modeling and Assessment</i> , 2020, 25, 705-730.	1.2	10
32	Source Contributions to Ozone Formation in the New South Wales Greater Metropolitan Region, Australia. <i>Atmosphere</i> , 2018, 9, 443.	1.0	9
33	Innovations in creative education for tertiary sector in Australia: present and future challenges. <i>Educational Philosophy and Theory</i> , 2020, 52, 1149-1161.	1.3	9
34	Impact of biomass burnings in Southeast Asia on air quality and pollutant transport during the end of the 2019 dry season. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 565.	1.3	9
35	Spatial variability of sydney air quality by cumulative semivariogram. <i>Atmospheric Environment</i> , 1997, 31, 4073-4080.	1.9	8
36	A reactive state-space model for prediction of urban air pollution. <i>Environmental Modelling and Software</i> , 1998, 13, 239-246.	1.9	8

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37	Efficient sampling schemes for Bayesian MARS models with many predictors. <i>Statistics and Computing</i> , 2005, 15, 93-101.	0.8	8
38	Estimation of Power Plant Emissions With Unscented Kalman Filter. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2018, 11, 2763-2772.	2.3	8
39	A Multidisciplinary Approach for Evaluating Spatial and Temporal Variations in Water Quality. <i>Water (Switzerland)</i> , 2019, 11, 853.	1.2	8
40	Spatio-temporal pattern of water quality in the Saigon-Dong Nai river system due to waste water pollution sources. <i>International Journal of River Basin Management</i> , 2021, 19, 221-243.	1.5	7
41	CO ₂ vehicular emission statistical analysis with instantaneous speed and acceleration as predictor variables. , 2013, , .		6
42	A metamodel for background ozone level using radial basis function neural networks. , 2010, , .		5
43	Study of Planetary Boundary Layer, Air Pollution, Air Quality Models and Aerosol Transport Using Ceilometers in New South Wales (NSW), Australia. <i>Atmosphere</i> , 2022, 13, 176.	1.0	5
44	Environmental Time Series Analysis and Estimation with Extended Kalman Filtering. , 2013, , .		4
45	Multicompartment models of cancer chemotherapy incorporating resistant cell populations. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1987, 15, 145-177.	0.6	3
46	Recent Trends in Ozone and Particle Concentrations in the Sydney (Australia) Airshed. <i>American Journal of Environmental Sciences</i> , 2008, 4, 454-461.	0.3	3
47	A stochastic model of mutant growth due to mutation in tumors, based on stem cell considerations. <i>Mathematical Biosciences</i> , 1985, 74, 23-35.	0.9	2
48	ASSOCIATIONS BETWEEN AIR POLLUTION AND HOSPITAL VISITS FOR CARDIOVASCULAR DISEASES IN THE ELDERLY IN SYDNEY USING BAYESIAN STATISTICAL METHODS. <i>Australian and New Zealand Journal of Statistics</i> , 2009, 51, 289-303.	0.4	2
49	Predicting Carbon Monoxide Emissions with Multivariate Adaptive Regression Splines (MARS) and Artificial Neural Networks (ANNs). , 2015, , .		2
50	Adaptive Neural Network Metamodel for Short-Term Prediction of Background Ozone Level. , 2010, , .		1
51	Modelling of Photochemical Smog. , 2002, , 361-382.		1
52	Radial Basis Function Neural Network Metamodelling for 2D Resistivity Mapping. , 2010, , .		1
53	Prediction of NO _x Vehicular Emissions Using On-Board Measurement and Chassis Dynamometer Testing. , 2014, , .		1
54	Reply to comment on "Associations between air pollution and hospital visits for cardiovascular diseases in the elderly in Sydney using Bayesian statistical methods". <i>Australian and New Zealand Journal of Statistics</i> , 2011, 53, 259-261.	0.4	0

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55	Nematode morphometry and biomass in the Saigon River harbours in relation to antifouling contaminants. <i>Nematology</i> , 2017, 19, 723-738.	0.2	0
56	New Sampling Scheme for Neural Network-Based Meta-Modelling with Application to Air Pollutant Estimation. , 2012, , .		0
57	Modelling October 2013 Bushfire Pollution Episode in New South Wales, Australia. , 2014, , .		0